

Date: Sat, 1 Jan 94 04:30:17 PST
From: Ham-Ant Mailing List and Newsgroup <ham-ant@ucsd.edu>
Errors-To: Ham-Ant-Errors@UCSD.Edu
Reply-To: Ham-Ant@UCSD.Edu
Precedence: Bulk
Subject: Ham-Ant Digest V93 #159
To: Ham-Ant

Ham-Ant Digest Sat, 1 Jan 94 Volume 93 : Issue 159

Today's Topics:

 6BTV Counterpoise
 Looking for information (2 msgs)
 Ten-Tec 228 Tuner info ??? (2 msgs)
 Where to get ladder feed (2 msgs)

Send Replies or notes for publication to: <Ham-Ant@UCSD.Edu>
Send subscription requests to: <Ham-Ant-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Ant Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-ant".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 31 Dec 1993 09:04:06 -0800
From: sdd.hp.com!portal!mack!not-for-mail@network.ucsd.edu
Subject: 6BTV Counterpoise
To: ham-ant@ucsd.edu

In article <1993Dec30.170747.1@acad2.alaska.edu>,
<auchd@acad2.alaska.edu> wrote:
>I recently purchased a Hustler 6BTV. I want to install an efficient
>counterpoise for the antenna. Unfortunately, in the middle of winter, it's hard
>to drive a pipe in the ground (Ground freezes in late September, early
>October). Any ideas on what would be a good combination of lengths for this
>80-10 meter antenna?

I have the same antenna mounted on a 28 foot mast with radials doubling
as guys hanging down at about 25 - 30 degrees. I planned on 6 radials
for 80m, 6 for 40m, 6 for 20m, and 6 for 10m (the 40m radials will
resonate for 15m too). Initially I cut the 80m radials the same length
as the 40m with the idea of extending them later, but I never got around
to it yet. It seems to work very well though on all the bands.

One suggestion, use black wire. I used white and they show up like a sore thumb (to the wife and neighbors...). A black or dark color will be less noticeable.

73,

km6wt - mont.

Date: Fri, 31 Dec 93 16:30:02 GMT
From: netcomsv!netcomsv!bongo!skyld!jangus@decwrl.dec.com
Subject: Looking for information
To: ham-ant@ucsd.edu

Doesn't anyone read books any more?
Doesn't anyone go the the library and look for something themselves?
Doesn't anyone look in technical publications for information?

What is it about the internet that seems to breed the following attitude?

"I don't want to expend the effort to
look so can someone else do it for me?"

Along a similar thread, how is it that no one seems to think of the manufacturers as a source of information?

Are you people really that cheap, lazy or stupid?

Not that the ARRL amateur radio handbook is the be all to end all, but it is two inches thick for a reason. Likewise, QST is loaded full of advertisements. (As several others complain about.)

Dialing 411 (In the US) gets you directory assistance. Dialing 1 (area code) 555-1212 gets you directory assistance for any other area code. Dialing 1 800 555-1212 gets you the free number directory assistance for those of you too cheap to call someone direct.

Now I know there are a lot of obscure technical aspects to amateur radio, but geeze people. Get off of your tail ends and look around a bit before you waste every one elses time.

And before the self appointed guardians of the net jump on me about the remark of wasting my time, consider this, I don't think there are any stupid questions. But there sure are a lot of unnecessary ones.

73 es GM from Jeff

Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NA | "It is difficult to imagine our
Internet: jangus@skyld.tele.com | universe run by a single omni-
US Mail: PO Box 4425 Carson, CA 90749 | potent god. I see it more as a
Phone: 1 (310) 324-6080 | badly run corporation."

Date: 31 Dec 1993 22:41:13 GMT
From: swrinde!cs.utexas.edu!convex!usenet@network.ucsd.edu
Subject: Looking for information
To: ham-ant@ucsd.edu

In article <757355402snx@skyld.tele.com> jangus@skyld.tele.com (Jeffrey D. Angus)
writes:

}
{Doesn't anyone read books any more?
{Doesn't anyone go the the library and look for something themselves?
{Doesn't anyone look in technical publications for information?
{
{What is it about the internet that seems to breed the following attitude?
{
{ "I don't want to expend the effort to
{ look so can someone else do it for me?"
{

I've just re-read the past week's postings to this group and don't see
any evidence of what you're whining about. The questions consisted of:

- o What do you think of...
- o Does anyone have a copy of...
- o Will the following work...
- o Which book do you recommend...
- o Where can I get...

Most of which don't appear in book form.

}
{Are you people really that cheap, lazy or stupid?
{
{Now I know there are a lot of obscure technical aspects to amateur
{radio, but geeze people. Get off of your tail ends and look around
{a bit before you waste every one elses time.
{

Responses to a posting are not mandatory. Neither is reading them.

I dunno - I guess it justs the nature of hams "who know" something to love to disperse their information to hams "who know not". Find an OT at any radio club and ask him a silly question. Like how to make a 1/2 wave dipole. Or what does he think of [anything]. You're bound to get an earful (and then some). :-)

}I don't think there are }any stupid questions.
}But there sure are a lot of unnecessary ones.
}

And speaking of UNNECESSARY postings...

Check the yagi in thine own eye, brother.

--

Tony J. Podrasky
San Diego , Ca
tonyp@convex.com

- you KNEW the job was dangerous
when you took it! - Super Chicken

QSL? QRU? QRZ? QLZ? QFA?

Date: Fri, 31 Dec 1993 16:13:56 GMT
From: library.ucla.edu!agate!spool.mu.edu!torn!nott!cunews!freenet.carleton.ca!
FreeNet.Carleton.CA!ae517@network.ucsd.edu
Subject: Ten-Tec 228 Tuner info ???
To: ham-ant@ucsd.edu

In a previous article, jaevans@clark.net (John A. Evans) says:

>Greetings,
> I am looking at a Ten-Tec Antenna Tuner model 228 at a local ham radio
>shop on consignment but have found nothing in the rags (I have access to)
>on the quality and usefulness of the unit for use with my Century 21
>transceiver.

I believe I have the model 228 tuner, and like another ham commented on the newsgroup, it has no model number on the cabinet. I believe the 228 was the same as the 229 with the exception that the 228 was sold as a kit, whereas the 229 was assembled at the factory.

> > Any info on used price and experiences with the tuner are much

It seems to be able to match a large variety of loads for both end-fed and coax fed antennas. I found it did not like certain balanced loads, and after having Read The Flipping Manual (RTFM), I found that, yes, one should not apply a load of greater than 500 ohms balanced.

VE3XJ ordered the parts for he and I from Amidon for Sevvick's balun that was described in the Nov issue of QST. Still have to find the time to build it and put up my inverted-vee/Zep and give it a try. Hopefully this will improve the tuner's range for balanced loads.

Bonne Annee!

de VA3RR/AA8LU
in beautiful downtown Ottawa.

--

Date: Fri, 31 Dec 1993 23:09:22 EST
From: noc.near.net!saturn.caps.maine.edu!maine.maine.edu!suseea@uunet.uu.net
Subject: Ten-Tec 228 Tuner info ???
To: ham-ant@ucsd.edu

I too have a Ten Tec model 228 Tuner and it is plainly marked as such on the rear panel.....However I lack both the manual and experience with it...just got my ticket Dec 24, 1993. It appears well built just like all the Ten Tec equipment I have. Nice stuff, I would buy one without question, just on the merits of construction and the very nice people at Ten Tec.

Alan
N1QWT w/HF privs
73's

Date: 31 Dec 1993 17:22:56 GMT
From: swrinde!cs.utexas.edu!convex!tonyp@network.ucsd.edu
Subject: Where to get ladder feed
To: ham-ant@ucsd.edu

Well - the poison oak has gone dormant and I've got the time so I'm ready to build the rhombic I've been dying to put up. Three things:

o Where can I get open wire feed?

As I recall a rhombic likes something in the order of 600-ohm feed, but I just saw another note on the TEN-TEC 228, which is what I have, and it doesn't like anything over 500 ohms, so I guess I need to go with 450-ohm feed.

- o What is the best antenna book to peruse for hints on how to construct this thing?

I'm not going to be able to put it into the diamond shape it should be in - more like a rectangle. The height will be proportional to the guts I have available when climbing the oaks... :-)

- o Where can I get the 600-ohm resistor needed at the far end?

I understand that if I make it "one big loop" I'll have designed a "cloud warmer". Also, is there some magic that takes place that requires a higher wattage or will a 100-watt resistor do the job because I'm running only 100-watts output?

--

Tony J. Podrasky
San Diego , Ca
tonyp@convex.com
QSL? QRU? QRZ? QLZ? QFA?

Sure, we can do it - just select any TWO:
+-----+
| GOOD | FAST | CHEAP |
+-----+

Date: Sat, 1 Jan 1994 00:05:22 GMT
From: swrinde!gatech!udel!news.sprintlink.net!direct!news.direct.net!
kg7bk@network.ucsd.edu
Subject: Where to get ladder feed
To: ham-ant@ucsd.edu

honey bunny (tonyp@convex.com) wrote:

: As I recall a rhombic likes something in the order of 600-ohm
: feed, but I just saw another note on the TEN-TEC 228, which is
: what I have, and it doesn't like anything over 500 ohms, so I
: guess I need to go with 450-ohm feed.
: Tony J. Podrasky

Tony, If you feed a 600 ohm antenna with any transmission line and the transmission line is an integer number of half wavelengths long, the feedpoint impedance will be 600 ohms assuming no losses. So to insure that the feedpoint impedance is lower than 500 ohms, feed the antenna with a transmission line that is an integer number of half wavelengths plus one quarter wavelength. Be sure to take the velocity factor into account. Assuming a 450 ohm transmission line, a feedpoint impedance of around 350 ohms will result.

Near lossless 450 ohm ladder-line ($VF=0.92$) is available from:

Paul Passey, WR7J, 10521 Espira Ct., N.W., Albuquerque, N.M. 87114

or Antennas West, 1500 N. 150 W., Provo, UT 84605

73, Cecil, kg7bk@indirect.com

End of Ham-Ant Digest V93 #159
